



Features

- Compatible with Four RS-485 devices
- Programmable Recording Interval
- Customize Printing available
- Date / Time Stamped Records
- Recording values : Process Value, Set Value
- Excitation Voltage : 5V
- Periodic recording of Alarm Status & Error Conditions
- 2 Deviation Alarm Outputs
- Programmable Display Units for Each Channel
- Centronics Printer Connectivity (LX-300)
- 16 x 2 Characters LCD Display with back light
- Online Printing (Min. Interval 1 minute)
- Data Storage Capacity (Approx 2.50Lakh Records)
- Universal supply voltage (90 to 270 VAC)
- Continuous (Log) / Time slot (Batch) Recording
- 24 VDC Available on Request

Technical Specifications

Display Specification

LCD	16x2 Character LCD (Blue - White)
LED Indication	PC - PC Communication DEV - Device Communication MEM - Memory Status HLD - Hold Status

Environmental Specification

Temperature	Operating - 0 to 50°C
Storage	-20° to 75°C
Humidity	95% RH (Non-condensing)

Keys

4 Controlling keys for configuration and operation

SET SHIFT DOWN UP

Certification

None



Recording

Recording Capacity	Approx. 2.50 Lakh Records
Recording Mode	Batch mode, Log mode
Recording Interval (User Settable)	Log Mode: Minimum - 1 min Batch Mode: Minimum - 10 sec

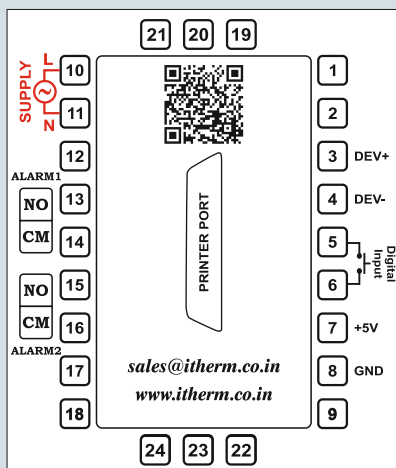
PC Interface

None

Output Specification

Alarm 1 (OP1)	Relay
Alarm 2 (OP2)	Relay
Relay	5A @ 250 VAC / 30 VDC

Terminal Diagram



AI-LOG-USB

Device Interface

Serial Port	RS-485, 2 Wire, Half Duplex
Protocol	Modbus RTU
Baud Rate	9600, 19200, 31250, 38400, 76800
Parity	Odd, Even, None
Maximum Devices	4
Device Type	I-Therm, Taie, Fuji, Eurotherm, West

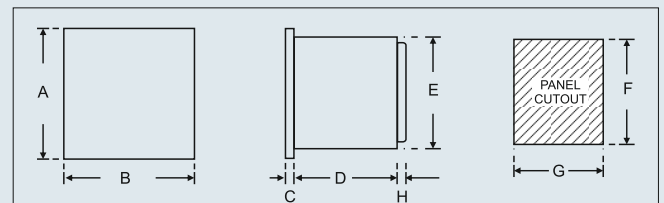
General Description

Weight (Gms)	400
Enclosure	Molded ABS
Color	Black
Accessories	1 Pair of Mounting clamp
Terminal Cable Size	Barrier Type terminal cable Size (2.5 mm ²)

Auxiliary Supply Specification

Supply Voltage	90 - 270 VAC (24 VDC Available on Request)
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Mechanical Dimensions



Mechanical Dimensions

Dim	A	B	C	D	E	F	G	H
Model								
AI-USB-LOG	96	96	10	65	89	92	92	9

Available Units

Option	Description	Option	Description	Option	Description
°C	Degree Centigrade	inH2O	inches water gauge	Sec	Seconds
°F	Degree Fahrenheit	mmHg	mm of mercury	min	Minutes
°K	Degree Kelvin	Torr	Torr	hrs	Hours
°EU	Engineering Units	l/hr	Litre per hour	PH	PH
%	Percentage	l/min	Litre per minute	%PH	%PH
Pa	Pascal	%RH	% Relative Humidity	miles/hr	Miles per hour
MPa	Mpascal	A	ampere	mg	milligram
kPa	Kpascal	mA	milliampere	g	Gram
bar	Bar	mV	millivolt	kg	kilogram
mbar	millibar	ohms	Ohms	%O2	%O2
psi	pound/square inch	ppm	Parts per million	%Co2	%Co2
kg/sq.cm	kg/sq.cm	rpm	Revolution per Minute	%CP	%Carbon Potential
mmH2O	mm water gauge	ms	millisecond	V	Volts